

IN THE SPECIFICATION:

On page 1, under the title, please insert the following paragraph.

This application claims priority to provisional application number 60/283,713, filed April 14, 2001, entitled “Data Adapter”, by Robert Broderson, Mark Coyle and Sanjin Tulac, having 135 pages (including exhibits), which is hereby incorporated by reference including incorporation of exhibits therein and which is attached hereto as Exhibit 1. This application is related to U.S. Patent Application Serial No. 09/968,735, entitled “Method and System for Using Integration Objects with Enterprise Business Applications”, filed September 28, 2001 by Jeffrey Michael Fischer and Mark Coyle.

On page 1, please delete paragraph [02]. On page 7, please replace paragraph [25] with the following paragraph.

Note that the converter 120 may be implemented in a variety of ways, some of which are discussed in ~~the application entitled “Integration Objects” which was filed on the same day as the filing of this application and U.S. Patent Application Serial No. 09/968,735, entitled “Method and System for Using Integration Objects with Enterprise Business Applications”, filed September 28, 2001 by Jeffrey Michael Fischer and Mark Coyle~~, which is subject to assignment to the same assignee to which this application is subject to assignment. For purposes of this discussion, it is assumed that the integration objects may be created in a straightforward manner, and may be useful as a representation of data stored in a relational database. Furthermore,

note that the terms upsert and synchronize appear frequently. Upserting is a combination of updating existing data or inserting new data in a data destination, without deleting data from the data destination which may not exist in the data source. Synchronization is a combination of taking data from a data source, updating existing data or inserting new data relative to data in a data destination, and deleting data from the data destination which is not present in the data source.

Please replace paragraph [29], on pages 9-10 with the following paragraph.

The metadata repository ~~280-245~~ may be made available to any or all portions of the data adapter 270. The metadata corresponding to the integration object 230 contained in the metadata repository ~~280-245~~ provides an indication of the structure of the integration object 230 and an indication of the relationship between the structure of the integration object 230 and the relationships among data and tables in the relational database. Thus, the data manager 278 and object manager 276 may utilize the metadata to determine how queries should be structured and how resulting data should be parsed. Similarly, the component 272 and field level adapters 274 may utilize the metadata to determine which fields or components to access, both where data should come from and where data should go. Alternatively, the metadata may be viewed as controlling the various portions of the data adapter 270 by determining how the data flows between the integration object 230 and the relational database 250.

Please replace paragraph [41], on pages 15-16 with the following paragraph.

At block 540, a determination is made as to whether unprocessed child records remain. If such unprocessed child records remain, the next unprocessed child record is then regarded as the current child record (550), and the process returns to block 520. If no unprocessed child records remain, unmatched components in the object or hierarchy of objects are found. If such unmatched components remain (560), those components are inserted (570) into the database as child records corresponding to the components in question and having data from the components in question. If no unmatched components remain, or all unmatched components have been inserted, the process ends at block 580.